

Untitled-4 Formatted Alignment

<b>A</b>	hUCPH	ATGGTGGGT TCAAGGCCAC AGATGTCCCC CCTACTGCCA CTGTGAAGTT	50
<b>B</b>	hUCP2 (Fleury)	ATGGTGGGT TCAAGGCCAC AGATGTCCCC CCTACTGCCA CTGTGAAGTT	50
<b>C</b>	hUCP2 (Chen, Tularik)	ATGGTGGGT TCAAGGCCAC AGATGTCCCC CCTACTGCCA CTGTGAAGTT	50
	hUCPH	TCTTGGGCT GGCACAGCTG CCTGCATCG AGATCTCATC ACCTTTCCCTG	100
	hUCP2 (Fleury)	TCTTGGGCT GGCACAGCTG CCTGCATCG AGATCTCATC ACCTTTCCCTG	100
	hUCP2 (Chen, Tularik)	TCTTGGGCT GGCACAGCTG CCTGCATCG AGATCTCATC ACCTTTCCCTG	100
	hUCPH	TGGATACTGC TAAAGTCCGG TTACAGATCC AAGGAGAAAAG TCAGGGGCCA	150
	hUCP2 (Fleury)	TGGATACTGC TAAAGTCCGG TTACAGATCC AAGGAGAAAAG TCAGGGGCCA	150
	hUCP2 (Chen, Tularik)	TGGATACTGC TAAAGTCCGG TTACAGATCC AAGGAGAAAAG TCAGGGGCCA	150
	hUCPH	GTGCGCGCTA CAG[CAGGCC CCAGTACCGC GGTGTGATGG GCACCATTCT	200
	hUCP2 (Fleury)	GTGCGCGCTA CAG[CAGGCC CCAGTACCGC GGTGTGATGG GCACCATTCT	200
	hUCP2 (Chen, Tularik)	GTGCGCGCTA CAG[CAGGCC CCAGTACCGC GGTGTGATGG GCACCATTCT	200
<b>D</b>	hUCPH	GACCATGGTG CGTACTGAGG GCCCCCCGAAG CCTCTACAAT GGCTCTGGTG	250
	hUCP2 (Fleury)	GACCATGGTG CGTACTGAGG GCCCCCCGAAG CCTCTACAAT GGCTCTGGTG	250
	hUCP2 (Chen, Tularik)	GACCATGGTG CGTACTGAGG GCCCCCCGAAG CCTCTACAAT GGCTCTGGTG	250
	hUCPH	CGGGCTCTGCA GCGCCAAATG ACCTTTGCCT CTGTCGGCAT CGGGCTCTGTAT	300
	hUCP2 (Fleury)	CGGGCTCTGCA GCGCCAAATG ACCTTTGCCT CTGTCGGCAT CGGGCTCTGTAT	300
	hUCP2 (Chen, Tularik)	CGGGCTCTGCA GCGCCAAATG ACCTTTGCCT CTGTCGGCAT CGGGCTCTGTAT	300
	hUCPH	GATTCTGTCA AACAGTTCTA CACCAAGGG TCTGACCATG CCAGCATTGG	350
	hUCP2 (Fleury)	GATTCTGTCA AACAGTTCTA CACCAAGGG TCTGACCATG CCAGCATTGG	350
	hUCP2 (Chen, Tularik)	GATTCTGTCA AACAGTTCTA CACCAAGGG TCTGACCATG CCAGCATTGG	350
	hUCPH	GAGCCGCCCTC CTAGCAGGCA GCACCACAGG TGCCCTGGCT GTGGCTGTGG	400
	hUCP2 (Fleury)	GAGCCGCCCTC CTAGCAGGCA GCACCACAGG TGCCCTGGCT GTGGCTGTGG	400
	hUCP2 (Chen, Tularik)	GAGCCGCCCTC CTAGCAGGCA GCACCACAGG TGCCCTGGCT GTGGCTGTGG	400
	hUCPH	CCCAGCCAC GGATGTGGTA AAGGTCCGAT TCCAAGCTCA GGCCCCGGCT	450
	hUCP2 (Fleury)	CCCAGCCAC GGATGTGGTA AAGGTCCGAT TCCAAGCTCA GGCCCCGGCT	450
	hUCP2 (Chen, Tularik)	CCCAGCCAC GGATGTGGTA AAGGTCCGAT TCCAAGCTCA GGCCCCGGCT	450
	hUCPH	GGAGGTGGTC GGAGATACCA AAGCACCCTC AATGCCTACA AGACCATTGC	500
	hUCP2 (Fleury)	GGAGGTGGTC GGAGATACCA AAGCACCCTC AATGCCTACA AGACCATTGC	500
	hUCP2 (Chen, Tularik)	GGAGGTGGTC GGAGATACCA AAGCACCCTC AATGCCTACA AGACCATTGC	500
	hUCPH	CCGAGAGGAA GGGTCCGG GCCTCTGGAA AGGGACCTCT CCCAATGTG	550
	hUCP2 (Fleury)	CCGAGAGGAA GGGTCCGG GCCTCTGGAA AGGGACCTCT CCCAATGTG	550
	hUCP2 (Chen, Tularik)	CCGAGAGGAA GGGTCCGG GCCTCTGGAA AGGGACCTCT CCCAATGTG	550
	hUCPH	CTCGTAATGC CATTGTCAAC TGTGCTGAGC TGGTGACCTA TGACCTCATC	600
	hUCP2 (Fleury)	CTCGTAATGC CATTGTCAAC TGTGCTGAGC TGGTGACCTA TGACCTCATC	600
	hUCP2 (Chen, Tularik)	CTCGTAATGC CATTGTCAAC TGTGCTGAGC TGGTGACCTA TGACCTCATC	600
	hUCPH	AAGGATGCCC TCCTGAAAGC CAACCTCATG ACAGATGACC TCCCTTGCCA	650
	hUCP2 (Fleury)	AAGGATGCCC TCCTGAAAGC CAACCTCATG ACAGATGACC TCCCTTGCCA	650
	hUCP2 (Chen, Tularik)	AAGGATGCCC TCCTGAAAGC CAACCTCATG ACAGATGACC TCCCTTGCCA	650

### Untitled-4 Formatted Alignment

hUCPH	CTTCA	TTCT GCCTTGGGG CAGGCTTCIG CACCACTGTC ATCGCCTCCC	700
hUCP2(Fleury)	CTTCA	TTCT GCCTTGGGG CAGGCTTCIG CACCACTGTC ATCGCCTCCC	700
hUCP2(Chen,Tularik)	CTTCA	TTCT GCCTTGGGG CAGGCTTCIG CACCACTGTC ATCGCCTCCC	700
hUCPH	CTGTAGACGT	GGTCAAGACG AGATACATGA ACTCTGCCCT GGGCCAGTAC	750
hUCP2(Fleury)	CTGTAGACGT	GGTCAAGACG AGATACATGA ACTCTGCCCT GGGCCAGTAC	750
hUCP2(Chen,Tularik)	CTGTAGACGT	GGTCAAGACG AGATACATGA ACTCTGCCCT GGGCCAGTAC	750
hUCPH	AGTAGCGCTG	GCCACTGTGC CCTTACCATG CTCCAGAAGG AGGGGGCCCCG	800
hUCP2(Fleury)	AGTAGCGCTG	GCCACTGTGC CCTTACCATG CTCCAGAAGG AGGGGGCCCCG	800
hUCP2(Chen,Tularik)	AGTAGCGCTG	GCCACTGTGC CCTTACCATG CTCCAGAAGG AGGGGGCCCCG	800
hUCPH	AGCCTTCTAC	AAAGGGTTCA TGCCCTCCCT TCTCCGCTTG GGTTCCCTGGA	850
hUCP2(Fleury)	AGCCTTCTAC	AAAGGGTTCA TGCCCTCCCT TCTCCGCTTG GGTTCCCTGGA	850
hUCP2(Chen,Tularik)	AGCCTTCTAC	AAAGGGTTCA TGCCCTCCCT TCTCCGCTTG GGTTCCCTGGA	850
hUCPH	ACGTGGTGAT	GTTCGTCACC TATGAGCAGC TGAAACGAGC CCTCATGGCT	900
hUCP2(Fleury)	ACGTGGTGAT	GTTCGTCACC TATGAGCAGC TGAAACGAGC CCTCATGGCT	900
hUCP2(Chen,Tularik)	ACGTGGTGAT	GTTCGTCACC TATGAGCAGC TGAAACGAGC CCTCATGGCT	900
hUCPH	GCCTGCACTT	CCCGAGAGGC TCCCTCTGTA	930
hUCP2(Fleury)	GCCTGCACTT	CCCGAGAGGC TCCCTCTGTA	930
hUCP2(Chen,Tularik)	GCCTGCACTT	CCCGAGAGGC TCCCTCTGTA	930

Figure 1, page 2 of 2

Untitled-5 Formatted Alignment

Figure 2